ELSEVIER

Journal of Electroanalytical Chemistry 456 (1998) 245

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author index

Balch, A.L. 229
Baldo, M.A. 105
Beck, S. 71
Bidan, G. 91
Billon, M. 91
Birss, V.I. 71
Bragato, C. 105
Buess-Herman, C. 139

Carabias-Martínez, R. 193
Carlier, V. 139
Castro Luna, A.M. 37
Costa, D.A. 229
Cox, J.A. 203, 239

Dai, H.-P. 47
Daniele, S. 105
Divisia-Blohorn, B. 91

Elzanowska, H. 71

Fatouros, N. 211
Favretto, D. 217
Fawcett, W.R. 229
Freydank, A. 61

Galus, Z. 131
García-Jiménez, M.G. 193
Gavaghan, D.J. 1, 13, 25
Goisihara, S. 121
Gorton, L. 97

Hernández-Méndez, J. 193
Hirschberg, G. 171
Holmstrom, S.D. 239

Janietz, S. 61
Johnson, D.C. 203

Karwowska, B. 239
Karyakin, A.A. 97
Karyakina, E.E. 97
Kitamura, F. 113
Komura, T. 121
Krulic, D. 211
Kulesza, P.J. 239

Liu, P. 223
Li, W.-H. 153

McGarvey, C. 71
M. Kern, J. 91

Nanbu, N. 113
Németh, Z. 171
Nichols, R.J. 153

Ohsaka, T. 113

Parent, P. 91
Pemberton, J.E. 161
Popović, N.D. 203
Pournaghi-Azar, M.H. 83
P. Sauvage, J. 91

Quach, S. 71

Razmi-Nerbin, H. 83
Rodríguez-Gonzalo, E. 193

Schiavon, G. 217
Schmidt, R. 131
Schulz, B. 61
Shiu, K.-K. 47
Skompska, M. 139
Stroka, J. 131
Sun, S.-G. 47

Takahasi, K. 121
Tokuda, K. 113
Tong, Y. 223

Varga, K. 171

Winkler, K. 229
Woelfel, K.J. 161
Wu, Q.-H. 47

Yamaguti, T. 121
Yang, Q. 223
Yang, Y. 223

Zecchin, S. 217
Zinola, C.F. 37
Zotti, G. 217

PII S0022-0728(98)00345-3

ELSEVIER

Journal of Electroanalytical Chemistry 456 (1998) 247–250

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject index

Acetylene
Adsorption configurations of ethylene and acetylene on gold 37
Ac impedance
Electron and ion transport in polypyrrole/polystyrenesulfonate composite films 121
ADI
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 3. Application to voltammetry. 25
Adsorption configurations
Adsorption configurations of ethylene and acetylene on gold 37
Adsorption of HSO_4^-/HSO_4^{2-}, Ag^+ and HEDP
A detailed study of the reliability of some crucial parameters used in the in-situ radiotracer sorption studies 171
Ag electrodes
Determination of emersed electrochemical interface thickness by ellipsometry: Aqueous electrolytes on Ag 161
Aluminum electrode
Voltammetric behaviour and electrocatalytic activity of the aluminum electrode modified with nickel and nickel hexacyanoferrate films, prepared by electroless deposition 83
Amphiphilic aromatic 1,3,4-oxadiazoles
Synthesis and electrochemical behavior of amphiphilic 1,3,4-oxadiazole derivatives 61
Anion adsorption
An in situ STM study of sulphate adsorption on copper(111) in acidic aqueous electrolytes 153
Ascorbic acid
Voltammetric behaviour and electrocatalytic activity of the aluminum electrode modified with nickel and nickel hexacyanoferrate films, prepared by electroless deposition 83

Bismuth
A mathematical model for anodic oxygen-transfer reactions at Bi(V)-doped PbO_2-film electrodes 203
Boundary singularities
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 1. Derivation of the mesh 1

Captafol
Electroreduction of the fungicides Folpet, Captan and Captafol on mercury electrodes 193
Captan
Electroreduction of the fungicides Folpet, Captan and Captafol on mercury electrodes 193
Catalysis
A mathematical model for anodic oxygen-transfer reactions at Bi(V)-doped PbO_2-film electrodes 203
Cation effect
Electrochemical quartz crystal microbalance and spectroelectrochemical studies of the influence of cations on the formation and electroactivity of poly(*N*-vinylcarbazole) films in acetonitrile solutions 139
Cd(II) acetylacetone complexes
The enhanced transport of the cadmium acetylacetone complex across the adsorbed aliphatic alcohol monolayer during electroreduction on mercury electrodes 131
C_{60} films
The electroreduction of C_{60} films in solutions containing crown ether complexes of alkali metal cations 229
Charge transport kinetics
Electron and ion transport in polypyrrole/polystyrenesulfonate composite films 121
Chronoamperometry
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 2. Application to chronoamperometry 13
Conducting polymer
Electron and ion transport in polypyrrole/polystyrenesulfonate composite films 121
Coulometry
Electroreduction of the fungicides Folpet, Captan and Captafol on mercury electrodes 193
Crown ether complexes of alkali metals
The electroreduction of C_{60} films in solutions containing crown ether complexes of alkali metal cations 229
Cu(111) electrode
An in situ STM study of sulphate adsorption on copper(111) in acidic aqueous electrolytes 153
Current distribution
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97
Cyclic voltammetry
Synthesis and electrochemical behavior of amphiphilic 1,3,4-oxadiazole derivatives 61

Diffusion coefficient
Study on electroreduction of Eu(III) and electrodeposition of Eu–Co in europium toluenesulfonate + DMF 223
Dimethylformamide, Electrodeposition of europium
Study on electroreduction of Eu(III) and electrodeposition of Eu–Co in europium toluenesulfonate + DMF 223
Dimethyl sulfoxide
A mathematical model for anodic oxygen-transfer reactions at Bi(V)-doped PbO_2-film electrodes 203
Dioxygen-decomposition
Dioxygen-decomposition of ferrocenium molecules in acetonitrile: The nature of the electrode-fouling films during ferrocene electrochemistry 217

Effective diffusion coefficient
Voltammetry of phosphotungstic acid immobilized in templated silica gel 239
Electrocatalysis
A mathematical model for anodic oxygen-transfer reactions at Bi(V)-doped PbO_2-film electrodes 203

PII S0022-0728(98)00346-5

Electrocatalytic oxidation
Voltammetric behaviour and electrocatalytic activity of the aluminum electrode modified with nickel and nickel hexacyanoferrate films, prepared by electroless deposition 83
Electrochemical control techniques
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 1. Derivation of the mesh 1
Electrochemical interface
Determination of emersed electrochemical interface thickness by ellipsometry: Aqueous electrolytes on Ag 161
Electrochemical rate constant
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97
Electrochemistry
Voltammetry of phosphotungstic acid immobilized in templated silica gel 239
Electrode-fouling films
Dioxygen-decomposition of ferrocenium molecules in acetonitrile: The nature of the electrode-fouling films during ferrocene electrochemistry 217
Electrode geometries
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 1. Derivation of the mesh 1
Electrode kinetics
A kinetic and in situ infrared spectroscopic study of the $Fe(CN)_6^{3-}/Fe(CN)_6^{4-}$ couple on platinum single crystal electrodes 113
Electrodeposition of Eu–Co
Study on electroreduction of Eu(III) and electrodeposition of Eu–Co in europium toluenesulfonate + DMF 223
Electron transfer reaction
Adsorbed lumiflavin at mercury electrode surfaces 71
Electropolymerisation
Electrochemical quartz crystal microbalance and spectroelectrochemical studies of the influence of cations on the formation and electroactivity of poly(*N*-vinylcarbazole) films in acetonitrile solutions 139
Electroreduction of Cd(II) complexes
The enhanced transport of the cadmium acetylacetone complex across the adsorbed aliphatic alcohol monolayer during electroreduction on mercury electrodes 131
Electroreduction of Eu(III)
Study on electroreduction of Eu(III) and electrodeposition of Eu–Co in europium toluenesulfonate + DMF 223
EQCM
Electrochemical quartz crystal microbalance and spectroelectrochemical studies of the influence of cations on the formation and electroactivity of poly(*N*-vinylcarbazole) films in acetonitrile solutions 139
Ethylene
Adsorption configurations of ethylene and acetylene on gold 37
Europium toluenesulfonate
Study on electroreduction of Eu(III) and electrodeposition of Eu–Co in europium toluenesulfonate + DMF 223
Exponentially expanding mesh
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 2. Application to chronoamperometry 13
Ex-situ
Ex-situ study by X-ray absorption near-edge spectroscopy of the topography of complexing cavities immobilized in an electronically conducting polymer 91

Ferrocinium
Dioxygen-decomposition of ferrocenium molecules in acetonitrile: The nature of the electrode-fouling films during ferrocene electrochemistry 217
FIRM
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 3. Application to voltammetry. 25
Folpet
Electroreduction of the fungicides Folpet, Captan and Captafol on mercury electrodes 193

Gold
Adsorption configurations of ethylene and acetylene on gold 37

Helmholtz plane
Determination of emersed electrochemical interface thickness by ellipsometry: Aqueous electrolytes on Ag 161
Hexacyanoferrate
A kinetic and in situ infrared spectroscopic study of the $Fe(CN)_6^{3-}/Fe(CN)_6^{4-}$ couple on platinum single crystal electrodes 113
Hydrogen peroxide reduction
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97

Inhibition of electrode reaction
The enhanced transport of the cadmium acetylacetone complex across the adsorbed aliphatic alcohol monolayer during electroreduction on mercury electrodes 131
In-situ radiotracer sorption studies
A detailed study of the reliability of some crucial parameters used in the in-situ radiotracer sorption studies 171
In-situ UV–vis spectroelectrochemistry
Synthesis and electrochemical behavior of amphiphilic 1,3,4-oxadiazole derivatives 61
Intercalation
The electroreduction of C_{60} films in solutions containing crown ether complexes of alkali metal cations 229

Kinetics
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97
Kinetic zone
Unified treatment of the pseudo-first order catalytic process for all stepped-potential methods 211

Langmuir–Blodgett films
Synthesis and electrochemical behavior of amphiphilic 1,3,4-oxadiazole derivatives 61
Lead
A mathematical model for anodic oxygen-transfer reactions at Bi(V)-doped PbO_2-film electrodes 203
Linear sweep voltammetry
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 3. Application to voltammetry. 25
Lumiflavin
Adsorbed lumiflavin at mercury electrode surfaces 71

Mercury electrode surface
Adsorbed lumiflavin at mercury electrode surfaces 71

Mesoporous silica
Voltammetry of phosphotungstic acid immobilized in templated silica gel 239
Microdisc electrodes
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 2. Application to chronoamperometry 13
An exponentially expanding mesh ideally suited to the fast and efficient simulation of diffusion processes at microdisc electrodes. 3. Application to voltammetry. 25
Microelectrodes
Microelectrode voltammetry for the simultaneous reduction of labile complexes of two divalent cations in aqueous solutions with and without supporting electrolyte 105
Migration
Microelectrode voltammetry for the simultaneous reduction of labile complexes of two divalent cations in aqueous solutions with and without supporting electrolyte 105
Mixture of metal ions
Microelectrode voltammetry for the simultaneous reduction of labile complexes of two divalent cations in aqueous solutions with and without supporting electrolyte 105
Modified electrode
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97
Voltammetric behaviour and electrocatalytic activity of the aluminum electrode modified with nickel and nickel hexacyanoferrate films, prepared by electroless deposition 83

Nickel hexacyanoferrate
Voltammetric behaviour and electrocatalytic activity of the aluminum electrode modified with nickel and nickel hexacyanoferrate films, prepared by electroless deposition 83

ortho-Phenlyenediamine
Electrochemical quartz crystal microbalance studies on the electropolymerization processes of *ortho*-phenylenediamine in sulfuric acid solutions 47
Oxygen
A mathematical model for anodic oxygen-transfer reactions at Bi(V)-doped PbO_2-film electrodes 203

Phosphotungstic acid
Voltammetry of phosphotungstic acid immobilized in templated silica gel 239
Platinum single crystal electrodes
A kinetic and in situ infrared spectroscopic study of the $Fe(CN)_6^{3-}/Fe(CN)_6^{4-}$ couple on platinum single crystal electrodes 113
Polarography
Electroreduction of the fungicides Folpet, Captan and Captafol on mercury electrodes 193
Pology
Unified treatment of the pseudo-first order catalytic process for all stepped-potential methods 211
Polycatenate
Ex-situ study by X-ray absorption near-edge spectroscopy of the topography of complexing cavities immobilized in an electronically conducting polymer 91
Polymer-modified electrode
Electron and ion transport in polypyrrole/polystyrenesulfonate composite films 121
Poly(*N*-vinylcarbazole)
Electrochemical quartz crystal microbalance and spectroelectrochemical studies of the influence of cations on the formation and electroactivity of poly(*N*-vinylcarbazole) films in acetonitrile solutions 139
Polypyrrole
Ex-situ study by X-ray absorption near-edge spectroscopy of the topography of complexing cavities immobilized in an electronically conducting polymer 91
Polypyrrole/polystyrenesulfonate composites
Electron and ion transport in polypyrrole/polystyrenesulfonate composite films 121
Polyrotaxane
Ex-situ study by X-ray absorption near-edge spectroscopy of the topography of complexing cavities immobilized in an electronically conducting polymer 91
Prussian blue
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97
Pseudo-first order catalytic process
Unified treatment of the pseudo-first order catalytic process for all stepped-potential methods 211

Quartz crystal
Electrochemical quartz crystal microbalance studies on the electropolymerization processes of *ortho*-phenylenediamine in sulfuric acid solutions 47

Redox behavior of fullerene layers
The electroreduction of C_{60} films in solutions containing crown ether complexes of alkali metal cations 229

Scanning tunnelling microscopy
An in situ STM study of sulphate adsorption on copper(111) in acidic aqueous electrolytes 153
Secondary β- and γ(X)-radiations
A detailed study of the reliability of some crucial parameters used in the in-situ radiotracer sorption studies 171
Semiempirical methods
Adsorption configurations of ethylene and acetylene on gold 37
Spectroelectrochemistry
Electrochemical quartz crystal microbalance and spectroelectrochemical studies of the influence of cations on the formation and electroactivity of poly(*N*-vinylcarbazole) films in acetonitrile solutions 139
STM
An in situ STM study of sulphate adsorption on copper(111) in acidic aqueous electrolytes 153
Sulfuric acid solutions
Electrochemical quartz crystal microbalance studies on the electropolymerization processes of *ortho*-phenylenediamine in sulfuric acid solutions 47
Sulphate
An in situ STM study of sulphate adsorption on copper(111) in acidic aqueous electrolytes 153

Templated silica
Voltammetry of phosphotungstic acid immobilized in templated silica gel 239
'Thin gap' and 'foil' methods
A detailed study of the reliability of some crucial parameters used in the in-situ radiotracer sorption studies 171

Transport across monolayer
The enhanced transport of the cadmium acetylacetone complex across the adsorbed aliphatic alcohol monolayer during electroreduction on mercury electrodes 131

Wall-jet electrode
The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow 97

XANES
Ex-situ study by X-ray absorption near-edge spectroscopy of the topography of complexing cavities immobilized in an electronically conducting polymer 91